USEPA REGION 9 LABORATORY
REPORT NARRATIVE

CASE NUMBER:	R00S16
SAMPLE DELIVERY GROUP:	00363B
PROGRAM:	SUPERFUND
DOCUMENT CONTROL #:	ESTW-9B-4109
DATE:	01/30/01
ANALYSIS:	PERCHLORATE AND TOTAL DISSOLVED SOLIDS

SAMPLE NUMBERS:

SAMPLE ID	LABORATORY SAMPLE ID
L. V. Wash at North Shore Road Bridge	AB29684

GENERAL COMMENTS

One water sample was received from the Colorado River Perchlorate Study Superfund project on 12/28/00.

The requested analyses were perchlorate by Region 9 Laboratory SOP #531 and total dissolved solids by Region 9 Laboratory SOP #461 (EPA Method 160.1). The perchlorate sample was analyzed within the required 28-day holding time; the TDS sample was analyzed outside the required 7-day holding time.

SAMPLE RECEIPT AND PRESERVATION

No shipping or preservation issues were encountered.

QA/QC SUMMARY

No analytes were detected in the LRBs associated with this SDG.

No duplicate analysis was performed for TDS due to lack of sample.

The RPD for the perchlorate duplicate was less than or equal to the QC limit of 20%.

No LFM or LFM duplicate was analyzed for perchlorate; the QC sample required a 10-fold dilution.

The TDS LFB recoveries were within the 85-115% QC limits. The perchlorate LFB recovery was within the 90-110% QC limits.

Questions concerning the data can be answered by Patrick Hirata at (510) 412-2354.

GLOSSARY

Laboratory Reagent Blanks (LRB)

A laboratory reagent blank is laboratory reagent water or baked sand with all reagents added and carried through the same sample preparation and analytical procedures as the field samples. The laboratory reagent blank is used to determine the level of contamination introduced by the laboratory during analysis.

Laboratory Fortified Matrix (LFM), Laboratory Fortified Matrix Duplicate (LFMD) and Laboratory Duplicate (LD) Analysis

The laboratory fortified matrix spike sample and laboratory duplicate analyses provide information about the effect of the sample matrix on sample preparation and measurement. Poor percent recovery (%R) results and large relative percent difference (RPD) between duplicates may indicate inconsistent laboratory technique, sample nonhomogeneity in soils, or matrix effects which may interfere with analysis.

Laboratory Fortified Blank (LFB) Analysis

The laboratory fortified blank is laboratory reagent water or baked sand with a known concentration of the analytes of interest added by the laboratory with all reagents added and carried through the same sample preparation and analytical procedures as the field samples. Poor percent recovery (%R) results may indicate inconsistent laboratory technique.

EPA REGION 9 LABORATORY-RICHMOND, CA
SUMMARY OF ANALYTICAL RESULTS

Case Number:	R00S16	Analysis:	Perchlorate and TDS
Site:	Colorado River Perchlorate Study	Matrix:	Water
SDG:	00363B		
Date:	01/30/01		

Station Location	N/A			N/A				N/A
Sample I.D.	L. V. Wash @ North Shore Road Bridge			Reagent				Quantitation
Lab Sample I.D.	AB29684			Blank				Limit
Date of Collection	*12/26/00*			N/A				N/A
Analyte (units)	**Result**	**Q**	**Com**	**Result**		**Q**	**Com**	**Result**
Perchlorate (ug/L)	370			5	U			5
Total Dissolved Solids (mg/L)	1700			20	U			20

Com - Comments refer to the corresponding section in the report narrative for each letter.

N/A - Not Applicable.

N/R - Not Required.

Q - Refer to data qualifiers.

U - The parameter was analyzed for, but was not detected; The associated value is the sample quantitation limit, adjusted for dilution, if any.

J - The associated value is an estimated quantity.